$\mathsf{CONT}(\mathcal{A})$ 

## 

| <b>4</b> 0000                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
| $\begin{array}{c} \square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square$ |
|                                                                                                                                                                                                                                                                                 |

| 00000000000000000000000000000000000000                                                                   |
|----------------------------------------------------------------------------------------------------------|
| "0000"00000000000000000000000000000000                                                                   |
| deep-learning   reinforcement                                                                            |
| 00000000000000000000000000000000000000                                                                   |
| Technological Singularity             AlphaGo Zero     superhuman                                        |
| 00000000000000000000000000000000000000                                                                   |
| 000000000000000000000000000000000000                                                                     |
| AlphaGo                                                                                                  |
| 00000000000000000000000000000000000000                                                                   |
|                                                                                                          |
|                                                                                                          |
|                                                                                                          |
|                                                                                                          |
| ~~~~~~~~~~~                                                                                              |
| [1] DDDDDDDDDDDDDDDDDDDDBRAIN Initiative (Brain Research through Advancing Innovative Neurotechnologies) |
|                                                                                                          |

| $ \begin{array}{c} [2] \ \square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square$ |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [3] 00000000"0000000000000000000000000000                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                 |
| [5] [][][][][][][][][Gödel's theorems suggest metaphysics from humans may not work[][][][][][][][][][][][][][][][][][][]                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                 |
| [7] 000000000000000000000000000000000000                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
| $[10] \verb                                     $                                                                                                                                                                                                                               |
| □ AlphaGo Zero □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                 |
| [12] Demis Hassbis                                                                                                                                                                                                                                                              |
| 00000000000000000000000000000000000000                                                                                                                                                                                                                                          |